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Application Number	10/733,845	
Filing Date	December 11, 2003	
First Named Inventor	Andrews et al.	
Group Art Unit	2812	
Examiner Name	Not yet assigned	
Attorney Docket Number	5308-299	

U.S. PATENTS AND PATENT PUBLICATIONS							
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited		
		Number	Kind Code (if known)	— Document	Document MM-DD-YYYY		
કી.	1	US-4,966,862		Edmond	10-30-1990		
સ્	2	US-5,429,954		Gerner	07-04-1995		
53	3	US-5,923,053		Jakowetz et al.	07-13-1999		
		US-					
		US-					
		US-					
		US-	` '				
	1	US-					
		US-					
	1						

					ATENT DOCUMENTS			
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	T	
	140.	Office	Number	Kind Code (if known)	Document	MM-DD-YYYY		
ପ୍ର	4	JP	09270528	Abstract	Tottori Sanyo Electric Co. Ltd.	10-14-1997	Abstract	
	5	JP	09270528 Pye.	Α	Tottori Sanyo Electronics Co. Ltd.	01-30-1998		
X	6	wo	02/37578	A1	Osram Opto Semiconductors GMBH & Co. OHG	05-10-2002	Abstract	
প্ত	7	WO 03/030271 A2		A2	Osram Opto Seminconductors GMBH	04-10-2003	Abstract	
	8	wo	2003/030271 A3		Osram Opto Seminconductors GMBH	04-10-2003	Abstract	
ZS	2 9 WO 03/010817 A2		A2	Cree, Inc.	06-02-2003	T		
	10	wo	03/010817 8 446	A3	Cree, Inc.	06-02-2003	Т	
	<u> </u>	1						

OTHER NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T		
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Examiner Signature	کی	N.	Date Considered	11-17-04

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 5308-299			Serial No. To be assigned			
LIST OF DOCUMENTS CITED BY APPLICANT								10	1733845	
(Use several sheets if necessary)										
·					Applicants: Peter Andrews, et al.				1009	
									Group: 4824 To be assign ed	
U. S. PATENT DOCUMENTS										
Examiner Initial		Document Number	Date	N	ame	Class	Subcl	ass	Filing Date if Appropriate	
اع	1.	5,631,190	05/20/97	Negley		438	33			
SP	2.	5,912,477	06/15/99	Negley		257	95			
SS	3.	5,916,460	06/29/99	Imoto et al.		219	121.6	7		
જ	4.	5,923,946	07/13/99	Negley		438	4			
59	5.	6,413,839	07/02/02	07/02/02 Brown et al.		438	463			
وع	6.	6,580,054	06/17/03	Liu et al.		219	121.68			
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			FORE	IGN PATENT I	DOCUMENTS				·- ·- ·	
		Document Number	Date	Country		Class	Translation Subc Yes No			
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				<u>. </u>		<u> </u>		L		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)										
51	7.				29, titled <i>Trench</i> I., filed June 30,		nitting [Diodes d	and Methods of	
							·		 	

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DATE CONSIDERED

11-17-04

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.